THE PATENT GALVANIZED IRON.
TUPPER and CARR,
Owners of Crawshay's Patents, and Manufacturers to
THE GALVANIZED IRON COMPANY,
supply patent Galvanized Sheets, plain or corrugated, for roofing, &c., Water or Gas Pipes, Coatings, Wire of all sizes, Guttering, Hooping &c. Wholesale, retail, and for export.
An allowance to the trade.
WORKS—BILLWALL and BIRMINGHAM.
LONDON OFFICE, 2, MANSION-HOUSE PLACE.

THE PATENT
GALVANIZING & CORRUGATING IRON COMPANY.
JOHN SYMONDS and Co., Managers.
The Company having made considerable improvements in the mode of annealing CRAWSHAY'S PATENTS, are now able to supply larger Sheets than any former manufacturer, and of a uniform quality throughout, which cannot be obtained in any other way. They are also prepared to execute orders for any description of galvanized iron work, whether plain or corrugated, such as roofing, fencing, sheds, coverings for railway stations, &c.—fixed to order, if required. Gutters, pipes, gutterings &c., for home use and exportation.
N.B.—Sheets to be galvanized, sent for and returned free of charge, within three miles of the Tower; and all orders and goods received by Nine o'clock will be returned the same day, if required.
OFFICES—12, CIRCUS, MINORIES.
WORKS—GLASS-HOUSE-YARD, opposite the London Docks.
*** A discount allowed to the trade.

IRON BUILDING and ROOFING WORKS,
BIRMINGHAM, late of Southwark,
JOHN H. PORTER,
Manufacturer of the Corrugated and other Kinds of Iron Roofing for railway stations, carriage sheds, farm buildings, gas works, warehouses, factories, &c. &c.
PATENTEE
Of the Corrugated Iron Beams, Girders, and Fireproof Floors.

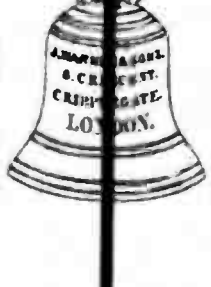
THE CORRUGATED and GALVANIZED IRON ROOF,
PORTABLE BUILDING, AND
NASMYTH'S PATENT FLOORING, ROOFING, AND GIRDER WORKS.
Offices, 63, Gracechurch-street.
JOHN WALKER, son of the Patentee of Corrugated Iron, calls the attention of Architects, Engineers, &c., to his list of Prices, which, consistently with good workmanship, are the lowest.
Models of the patent iron flooring, corrugated or plain, and girders; also, drawings of roofs on peculiar principles, may be had on application.
Drawings of the iron lighthouse spoken of in the Times and other papers see the Engineer for February 8th, may be seen by application.
References to firms of the highest class can be given.

NASMYTH'S PATENT
WROUGHT-IRON Fire-proof Flooring.
JOHN WALKER, Sole Manufacturer and Patentee.
Offices, 63, Gracechurch-street.
FIRE-PROOF FLOORS.
The late lamentable accident in Gracechurch-street serves to prove that where combustion is the foundation on which floors, &c. are made, much dependence cannot be placed on them. This induces John Walker to earnestly solicit the attention and inspection of Architects, Engineers, &c. to Mr. G. NASMYTH'S PATENT FLOORING, of which J. W. is the sole licensee and manufacturer. The material is wrought iron, and therefore not liable to sudden fracture, as cast-iron is, and wood is not introduced.
Descriptive pamphlets may be had, models may be seen, and every information obtained, at JOHN WALKER'S OFFICE, 63, Gracechurch-street.
MANUFACTURER OF CORRUGATED IRON.

GALVANIZED IRON WORKS,
REGENT'S CANAL, LIMEHOUSE.
THOMAS ALCHIN, late of the Galvanized Iron Works, Mill Wall, begs to inform his friends and the trade in general that his arrangements with Messrs. Tupper and Carr have expired, and that he has now commenced business on his own account in premises situated as above.
T. A. having had upwards of eight years' practical experience in the galvanizing process, is in a position to execute orders to any extent, and in every description of galvanized iron work, such as cisterns, coffins, baths, sashe screens corrugated and plain, sheet-iron, wire, wire-work, and all kinds of iron work requiring to be preserved from rust.
Iron tanks of all sizes, and suitable to every purpose, supplied or galvanized.
*** A liberal discount to merchants, country dealers, and the trade in general. All orders executed with punctuality and dispatch.

MOREWOOD and ROGERS' Patent Galvanized TINNED IRON, or Iron Tinned previously to being Galvanized.
ANDREW WHITTICK, 484, New Oxford-street, and Rose-street, Soho, begs to invite the attention of Engineers, Architects, Contractors, and others, who have not examined it, to this valuable metal, which fully accomplishes the object of the patent. It is suitable for all purposes for which iron is now made liable to rust, is required, but for roofing, the exception to flat pitch forms, sheds, for the lining of arches and tunnels, for all Colonial and agricultural erections, &c. It is pre-eminently adapted, possessing all the advantages of wrought iron, while the two being perfectly preserved from decay, retains its pristine qualities, and consequently can be employed in the lightest and most economical form. This metal can be had in sheets of any size, and in every description, its bright surface rendering the sun's rays, and is admirably adapted for arched and corrugated roofs.
Testimonials by dire tion of Admiralty officers, and from engineers, architects, &c. &c., can be seen, testifying to its durability, lightness, economy, and great durability, and the experience of upwards of eleven years, it has not lost the confidence of purchasers. Pamphlets containing a description of every purpose to which the metal can be applied, with plates, price lists, &c. can be obtained as above, and all parties are referred to the Surveyors employed by the Patentees, Mr. GEORGE WORDEN, 22, Parliament-street, who will furnish estimates, drawings, &c., with every other explanation, free of cost.

ARTESIAN WELLS, BORING for WATER-SINKING SHAFTS &c.—The Water Companies, Towns, Manufacturers and others requiring Water, may be supplied by DAVID GREWELK, Civil Engineer and Patentee of Boring Tools, 10, Carmelite-street, Temple, London. Cast-iron Mains laid to any extent or depth for Gas or Water Companies. Wells and Tools supplied for all parts of the world, if required. Boring Tools on a suitable principle for exportation, with instructions.

CHURCH and TURRET BELLS
cast to any weight and tuned. Ship, plantation, hand, sheep, cup, and clock bells of any size.
MUSICAL HAND BELLS
Tuned to the chromatic scale, with improved clappers, and hung on a new system which gives a superior tone and facility for ringing.
Memorial Brasses, Pulpit Lights, and Brackets, &c.
Old Bells recast or taken in exchange.


J. WARNER and SONS,
BELL FOUNDERS,
ENGINEERS, &c.

BENHAM and SONS' IMPROVED KITCHEN FITTINGS, [illegible] to the notice of the public and the Trade, that they have [illegible] Patent Kitchen Ranges, Hot-plate, Bain-marie, and Kitchen Furniture, combining general efficiency and the utmost economy of fuel with perfect cleanliness of the apparatus and the most unobjectionable appearance. Specimens of the new Kitchen Ranges, Boilers, Hot-plates, Bain-marie, &c. may be seen in operation at their EXTENSIVE SHOW-ROOMS, 313, OXFORD-STREET, and a large assortment of Kitchen Furniture, at every variation of price, from £5 to £50, always on SALE. MANUFACTORY and SHOW-ROOMS, 19, WIGMORE-STREET, CAVENDISH-SQUARE, LONDON.

TO BUILDERS, CARPENTERS, &c.—The undersigned are the PRESENT PRICES of IRONMONGERY, at YOUNG'S, 186, Oxford-street. Every other article equally low. Orders executed upon receipt of remittance or a respectable London reference.

Cast Butts	2½ 3d	3 4d	3 5	Inches.
Cut Clasp	2d	3d to 6d	3s. 6d.	per dozen
	3 6d	4 9d	5 1s.	6d. per gross.
Nails	2	3	4	5 inch.
Spike ditto	2s. 6d.	3s.	4s.	5s. 6d. per gross.
	3	4	5	inch.
Rain Pipe	3d.	3½d.	4s.	4d. per yard.

CLARK and HUNT'S IRONMONGERY, STOVE and METAL WAREHOUSE, 139, Shoreditch.
Improved Cottage Ranges, with { 30 | 33 | 34 | 36 inch.
Large Oven and Boiler ..... { 38s. | 42s. | 46s. | 54s.
Best Self-acting Ranges, with Oven and { 4-6 | 36 | 38 | 40 inch.
Back Boiler, Bright Wrought Bars ..... 54s. 56s. 60s. 70s.
Strong Elliptic Stoves, with Loose Back and Solid Bars, per inch, 2d.
Register Stoves, with Solid Bars, per inch, 4d. Best Boiler, with Fire Brick Back, per inch, 10d.
Bright Stoves, with Two Fires, 30s. to 100s. each.
Cast Rain-water Pipe { 2 | 3 | 4 inch.
{ 6d. | 10d. | 1s. per yard.
Cast Gutters—4 inch, 8d. per yard.
O. G. Gutters ..... { 4 | 4½ inch.
{ 11d. | 1s per yard.
Best Cut Clasp { 1½ | 1¾ | 2 | 2½ | 3 inch.
and Nails ..... { 1s. 6d. | 1s. | 1s. 6d. | 1s. | 1s. per cwt.
Sheet Flooring Brads, 1s. 6d. per cwt.
1-inch Cut Lath, 1s. Cast Lath, 2s. 6d.
6-inch 3 Bolt R4. Ward Mortice, with best Furniture and Patent Spindles, 2s. 9d. Light Elliptic and Register Metal, 12s. per cwt.
Hot Water Pipes, 2s. 6d. per cwt.
Dr. Arnott's Ventilators, 4s. each.
An extensive stock of bar, rod, hoop, and sheet iron.
Clark and Hunt's Improved Glass Paper.

TO BUILDERS, CARPENTERS, CABINET MAKERS, &c.
JOHN DALE, 18 and 19, Chiswell-street, Finsbury-square, begs to inform the above Trades that he has now added the business of the late Mr. WILLIAMSON to his own old-established concern, and respectfully invites an inspection of his immense stock of ironmongery, which cannot be surpassed in London, every article being of the best quality and lowest possible prices:—

Elliptic Stoves, double backs, 3rd. per inch.
Register Stoves, 3rd. 6d. 4th. 7½d. per inch.
Self-acting Ranges, with circular ovens and back boilers, best wrought bars and bright fittings:—
3 ft., 3l. 10s.; 3 ft. 6 in., 3l. 15s.; 4 ft., 4l. 10s.
3-feet Cottage Ranges, with ovens and back boilers, 28s. each.
3-feet self-acting ditto, ditto, 32s. each.
Air Bricks, 3s. 6d. per doz.—1-inch Cut Lath Nails, 1s. 6d. per cwt.
Best Patent Cut Clasp.
1½ 1¾ 2 2½ 3 inch and larger.
1s. 6d. 1s. 1s. 2d. 1s. 6d. 1s. per cwt.
Best Sheet Flower Brads, 1s. 6d. per cwt
Best Town Glue, 30s. Ditto, Scotch, 32s. per cwt.
Best Patent Sash Line.
1 2 3 4 5 6
1s. 4s. 6d. 5s. 6d. 7s. 8s. 10s. 6d. per gross.
List of Prices had on application at the Warehouse, or by letter prepaid.

TO BUILDERS, CABINET-MAKERS, and OTHERS.
Best Cut Sheet Flooring Brads, 1s. 6d. per cwt.
Fine Cut Clasp and Nails.
1¼ 1½ 1¾ 2 2½ 3 inch.
1s. 6d. 1s. 6d. 1s. 6d. 1s. 1s. 2d. 1s. 3d. per cwt.
Cross Garnet Hinges, per dozen pair.
2s. 6d. 3s. 3d. 4s. 4s. 6d. 5s. 7s. 9d.
10 12 14 16 18 20 in.
Best Bright Tower Bolts, per doz.
1s. 6d. 1s. 7d. 2s. 3s. 6d. 3s. 6d. 3s. 9d. 4s. 7d.
3 4 5 6 7 8 9 in.
Iron Rain-water Pipe.
5d. 6d. 1s. 1d. 1s. 6d. 1s. 8d. per yard.
7 8 9 3½ 4 inch.
Best London Glue, 40s. per cwt.
Cast Lath Nails, 1s. per cwt.
Air Bricks, 3s. 3d. per doz.
Hoopings for bond, 6l. 10s. per ton
Sash Weights, 3s. per cwt.
TERMS—NET CASH.
A price-list may be had on application.

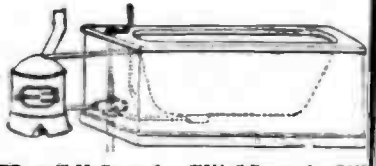
A. L. PFEIL and Co.,
Wholesale Ironmongers, Brass Foundry and Nail Warehouse,
3 and 4, Ground-street, Blackfriars, London.
AGENTS FOR LEAS'S PATENT MORTISE LOCKS AND BOLTS.

TO BUILDERS, CARPENTERS, AND OTHERS.
BENJAMIN WALMSLEY, IRONMONGER, BRASSFOUNDER, STOVE, and MANGE MANUFACTURER, 138 and 137, LONDON-ROAD, Southwark, for the supply of builders, carpenters, cabinet-makers, upholsterers, blind makers, smiths, wheelwrights, &c., at wholesale prices:—
Best Cut Sheet Flooring Brads, 1s. 6d. per cwt.
Best Cut Clasp { 1½ | 1¾ | 2 | 2½ | 3 in.
and Nails ..... { 1s. 6d. | 1s. | 1s. 6d. | 1s. | 1s. 6d. per cwt.
Cast Lath, 2s. 6d. per cwt.; Sash Weights, 3s. per cwt.
Sash Pulleys, 3s. per gross.
Cast Butts, per dozen pair:—6-in., 10d.; 8-in., 1s. 3d.; 3-in., 1s. 8d.
Iron Rain-water pipe ..... 2 | 2½ | 3 in.
{ 9d. | 10d. | 1s. 1d. per yard.
Half Round Gutter ..... 3 | 3½ | 4 in.
{ 7d. | 7½d. | 8½d.
O G Gutter ..... 4 | 4½ | 5 in.
{ 10d. | 1s. | 1s. 6d.
Air Bricks, 3s. 6d. per dozen. Hooping for Bond, 6l. 6d. per cwt.
Dr. Arnott's Ventilators, 4s. 6d. each.
3-ft. Self-Acting Cottage Ranges, with Oven and Boiler, 28s. each.
3-ft. ditto, with Wrought Bars and Bright Fittings, 32s. each.
Register Stoves, with Double Backs, 5d. per inch.
Elliptic Stoves, with Double Backs, 3½d. per inch.
Bright Register Stoves, with Two Sets of Bars, from 3l. each.
An excellent variety of Black and Bright Register Stoves kept ready for use at all prices, to which the attention of architects and builders is respectfully invited.
A large assortment of Rim, Mortice, Pew-hook, Iron Gate, and other Kinds of Locks and Latches. An extensive Stock of neat and elegant Door Furniture, in Brass, Porcelain, Glass, and Fancy Woods.
Finger Plates, Levers, and Bell pulls on cards.
Bar, Hoop, Sheet and Rod Iron, and Spring Steel.
The stock of this establishment is too extensive to be described in the limits of an advertisement; and the most correct idea that can be given of it is by saying that every trade connected with ironmongery can here obtain at the lowest possible prices.
WALMSLEY'S, 138 and 137, LONDON-ROAD, SOUTHWARK, six doors from the Obelisk.

NOIRSAIN'S VENTILATING GRATES and [illegible] FIRE-PLATES.—A long sought for desideratum, an [illegible] economy in Fuel.—entire Prevention of Smoke, [illegible] to Chimneys, and Perfect Regulation of the Temperature of Rooms, effected by the new Ventilating Grates, which may be seen at [illegible].
Mr. NOIRSAIN solicits the attention of the public and especially of [illegible] to the above grates, the utility and superior advantages of which will be satisfactorily demonstrated at his Depôt, 19, REGENT-QUADRANT, to any visitor. The highest testimonials given. Prices from Two Guineas upwards.

COOKING RANGES.—NICHOLSON'S PRIZE COTTAGE, COOKING, and other GRATES, awarded the premiums offered by the Royal Agricultural Society of England, and Manufacturers generally, being now in Prince Albert's Model Houses in Hyde-park, in the Model Structure of the Society for Improving the Condition of the Labouring Classes in the Great Exhibition Building, and at his allotment there (No. 47, Class B), where grates are exhibited his recent improvements in large Cooking Grates, including the newly invented Cosmopolitan Cooking Range, or Combination Grate, for [illegible] Hotels, Clubs, Messes, and Large Families, and the Improved Kitchen Range, with Roasting Apparatus, to which the Prize Medal was awarded, to which he begs to call the attention of Architects, Builders, and others, as he is prepared to [illegible] Ranges, and of such sizes as may be required, at the lowest prices consistent with good workmanship. Specifications and estimates will be sent on application to the Manufactory, Garden-lane, Battersea-bridge, Surrey, or to 3, Newcastle-court, Strand. N.B. Intending purchasers are earnestly requested to be careful to see that the Genuine grates are obtained in default of which they will be liable to disappointment. Any information, &c. to apply to the manufacturer direct.

STOVES, RANGES, GAS FITTINGS, &c.
BENETFINK and COMPANY defy competition in the above articles. Their ability, combined with elegance of design, is known to be the best of any house.
B. and Co. especially call the attention of Architects and Builders to their rooms, as they are admitted to have the largest and most selected stock of STOVES, RANGES, and GAS FITTINGS in the kingdom. Their stock contains Strathcarron's Patent Register Stoves, patent Economy-grate ditto, Patent Arctic ditto, and every previous ditto; the unrivalled Derby Kitchen Range, and every description of cooking apparatus. As a proof of their ability to furnish the mansion or the cottage they submit the following scale of prices:—
Fine cast black Register Stoves, 3 feet wide, from 15s. to 12l.
Highly finished Drawing-room Stoves, from 6l. to 30 guineas.
Cottage Ranges, with boiler and self-acting oven, from 30s.
Improved Kitchen Ranges, with boiler, self-acting oven, and bright fittings, from 3l.
Very strong Kitchen Ranges with self-acting oven, best wrought iron steam boiler, bright fittings, and bright spit racks, from 10 to 14 guineas.
3 light, water slide, gas Chandeliers, from 30s.
3 light ditto ditto, from 3 to 12 guineas.
NOTE THE ADDRESS:—BENETFINK and COMPANY, 89 and 90, CHEAPSIDE, LONDON.
Wholesale entrance, 1, IRONMONGER-LANE.



BATHS.—J. TYLOR and SON'S REGISTERED APPARATUS, consisting of Copper Galvanized Iron Bath ("japanned in imitation of wood or marble"), fixed in Frame complete, with Copper Cover, Boiler and Cock with Index-plate for the supply and waste. This apparatus is complete in itself, and can be fixed without the assistance of bricklayer or carpenter. A warm bath can be had for less than half an hour, at the cost of 2d. for hot water. 16 guineas, of the Ironmongers and Plumbers, or the Manufacturers, J. TYLOR and SON, Warwick-lane, London.

HOT-WATER APPARATUS.—The attention of architects, builders, and others is requested to BENJAMIN FOWLER'S superior method of heating churches and chapels, halls, staircases, conservatories, forcing-houses, manufactories, and warehouses, Kilns, rooms for drying timber, &c., and every variety of purpose for which a strong heat is required. Within the last twenty years some hundreds of buildings have been heated upon this plan, and the parties for whom they were executed are constantly expressing their satisfaction, also their willingness to vouch for their efficiency.
BENJAMIN FOWLER, late of G. Dorrell-street, removed to his new factory, Whitefriars-street, Fleet-street.

WARMING BY HOT WATER.—J. WEEKS and CO.'S HOT WATER APPARATUS is seen in extensive operation on their premises, King's-road, Chelsea; they have also erected their apparatus for various purposes in most parts of the kingdom; references can be given in almost every county. They beg respectfully to refer to the Earl of Cadogan, Sloane-street, to that of Mr. Bowden's extensive carriage repository, Hallstreet, Hyde-park-corner, where the apparatus may be seen in operation. Ornamental Pedestals and Stands of Pipes in great variety, applicable for warming churches, mansions, conservatories, halls, offices, conservatories, &c.—TUBULAR BOILERS of various sizes, warranted to be the most efficient and economical ever introduced.—J. WEEKS and CO., Hot Water Apparatus Manufacturers, King's-road, Chelsea.

TO BUILDERS AND FLORISTS.
IRON PIPES for hot-water circulation, with Boilers, Fittings, and every connection, at wholesale prices. RAIN-WATER PIPES, cases and O G gutters, air bricks, weighing machines, and every SMALL IRON FITTING, purposed of sizes, wrought-iron tubing and under-ground pipe of all sizes, and on the above terms, at LYNCH WHITE'S, Old Barrow Wharf, Upper Ground-street, London.

CAST-IRON PIPES, IRON WORK FOR OVENS, &c.
RAIN PIPES, &c.—F. A. TIDDEMAN and Co., St. Ann's Wharf, Earl-street, City, near Blackfriars-bridge, Pipes to carry off Rain Pipes, Heads, Shoes, Elbows, half-round and O. G. Gutters, Socket Pipes for Soil or Gas, Flanch Pipes, Sash Weights, and other Castings. Iron Work for Bakers' Ovens of any description, fitted complete, to be had in sets or in parts.—Prices equal to all competitors. Contracts taken to any extent. Goods landed. A powerful crane.

TO BUILDERS, IRONMONGERS, AND OTHERS.
RAIN-WATER PIPES, O G and Half-round Gutters, Sash-Weights, Mallin Bars, Air Bricks, &c.
J. JONES, Iron Merchant, Iron-bridge Wharf, No. 6, Bankside, has the largest stock in London of the above and other castings, of the very best quality. Also, cast-iron pipes for gas, water, and drainage; heads, bent, &c., flange and hot-water pipes, with all the usual ironmongers' lamp posts and mitoria, stable fittings, &c. Ironplate, &c. &c.
Prices will be forwarded on application, which will be found lower than any other house in London.
J. JONES, IRON MERCHANT, IRON-BRIDGE WHARF, No. 6, BANKSIDE, LONDON, near the Bonded Bark Iron Bridge.

IRON HURDLES.—Great Reduction.
For Sheep, 6 ft. long, 3 ft. above ground, five bars, 3s. 6d. each.
For Cattle, ditto 3 ft. 3 in. ditto, 3s. 9d. each.
Strained Wire Fence, 3 ft. 6 in. ditto, six wires, standards, 6 ft. apart ..... 1s. 1d. per yard.
Ditto with Extra Strong Standards ..... 1s. 3d. per yard.
Wove wire netting for excluding hares, rabbits, poultry, &c., various widths, 1d. per square foot and upwards; wrought and cast-iron palisading, gates, and ornamental garden fences, of every variety. Cast and hand bruisers, with iron frame and patent brass bearings, and regulating screw, 4l. 4s. each. Chaff cutters of best construction, metallic framing, and three steel knives, to cut 48 lbs. to a bushel per minute, 4l. 4s. each. Portable pumps, &c.
Wrought-iron wheelbarrows, 20s.
STEPHENSON and PEILL, 61, Gracechurch-street, City, and at the Manufactory, 17, New Park-street, Southwark.

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